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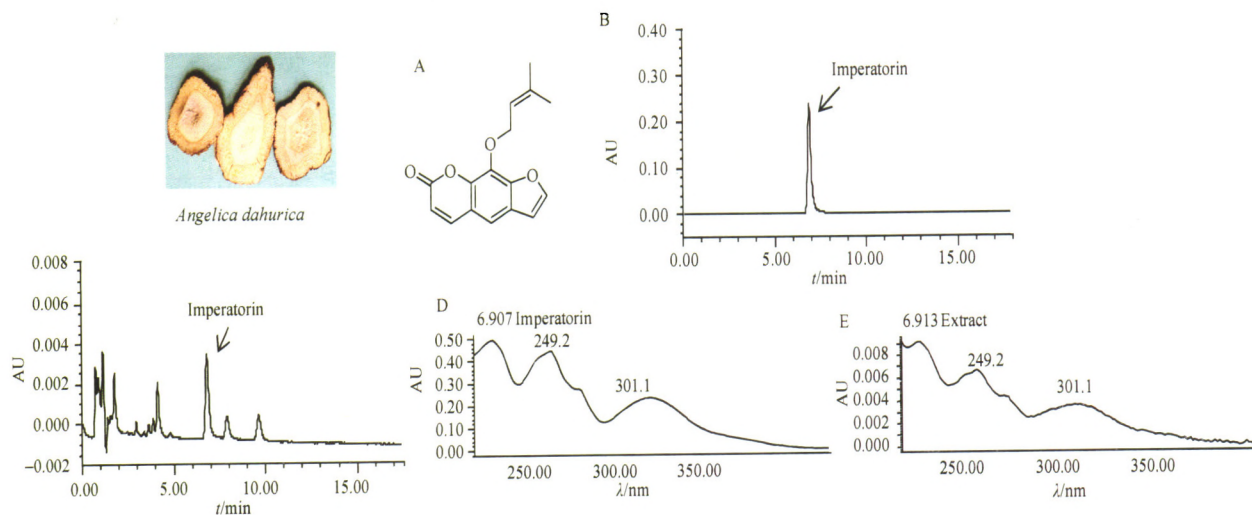
Research articles

Effects of *Angelica dahurica* on obesity and fatty liver in mice

641-652

LU Xi, YUAN Zhi-Yi, YAN Xiao-Jin, LEI Fan, JIANG Jing-Fei, YU Xuan, YANG Xiu-Wei, XING Dong-Ming*, DU Li-Jun*

- ▶ *Dahurica* reduced white-fat weight in high-fat-diet hyperlipidemic mice, decreased TC and TG in the enhanced hepatic lipase activities
- ▶ *Dahurica* regulated the genes of lipid metabolism and lipid transport using LC-MS/MS
- ▶ Imperatorin showed the same activity as *A. dahurica*

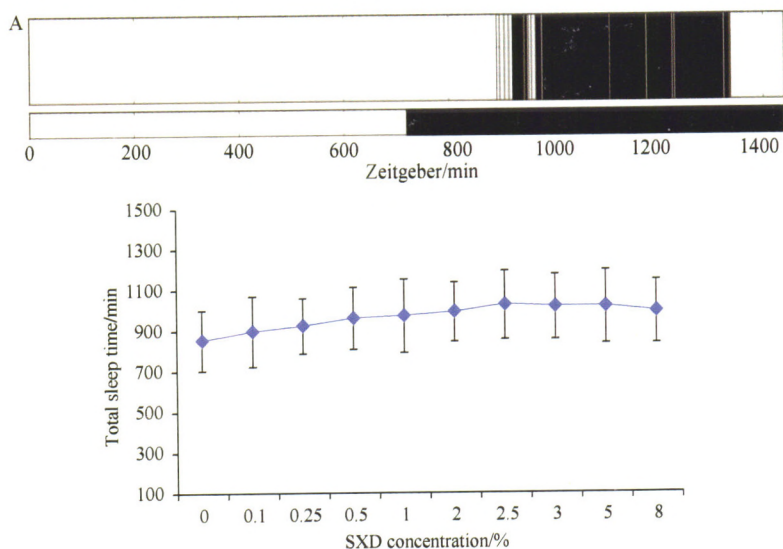


Pharmacodynamic study on insomnia-curing effects of Shuangxia Decoction in *Drosophila melanogaster*

653-660

ZHANG Zhi-Qian, Degejin, GENG Di, ZHANG Qi, TIAN Yan, XI Yuan, WANG Wen-Qi, TANG Hua-Qi, XU Bing, LIN Hong-Ying, SUN Yi-Kun*

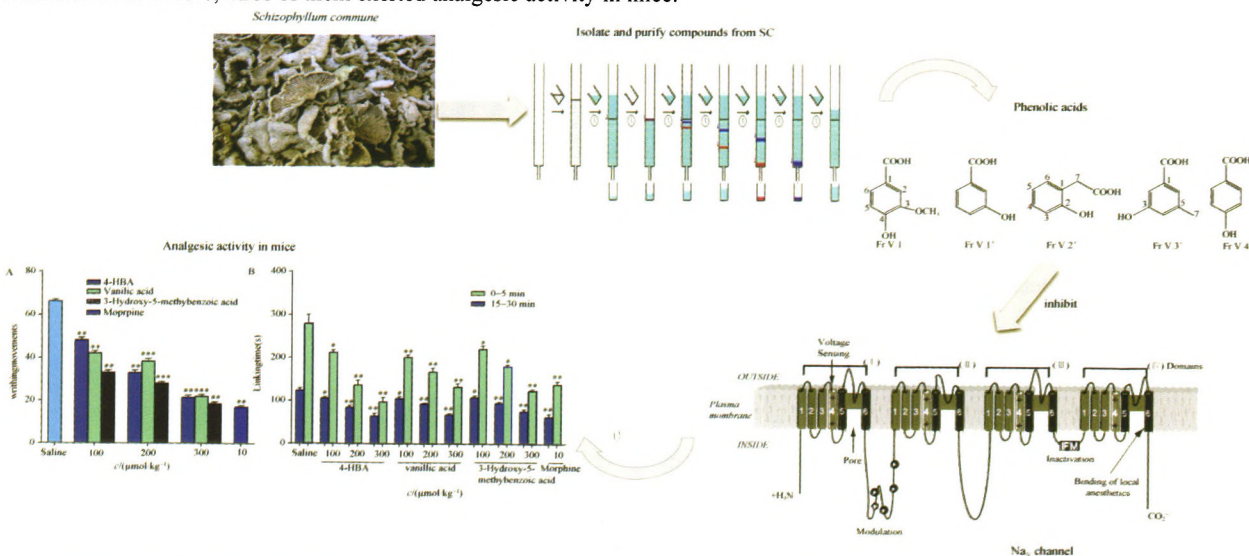
To our best knowledge, it was the first time that the pySolo software was used in study of traditional Chinese medicines. The freeze-dried powders of SXD could effectively improve the sleep quality of *Drosophila melanogaster*.



Phenolic acids isolated from the fungus *Schizophyllum commune* exert analgesic activity by inhibiting voltage-gated sodium channels 661-670

YAO Hui-Min, WANG Gan[#], LIU Ya-Ping, RONG Ming-Qiang, SHEN Chuan-Bin, YAN Xiu-Wen, LUO Xiao-Dong*, LAI Ren*

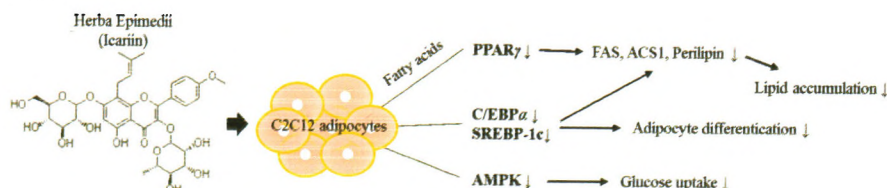
An important breakthrough: five phenolic acids which were identified from SC inhibited the activity of TTX-r and TTX-s Nav channels. What's more, three of them exerted analgesic activity in mice.



***Epimedium koreanum* Nakai and its main constituent icariin suppress lipid accumulation during adipocyte differentiation of 3T3-L1 preadipocytes** 671-676

HAN Yunk-Yung, SONG Mi-Young, HWANG Min-Sub, HWANG Ji-Hye, PARK Yong-Ki, JUNG Hyo-Won

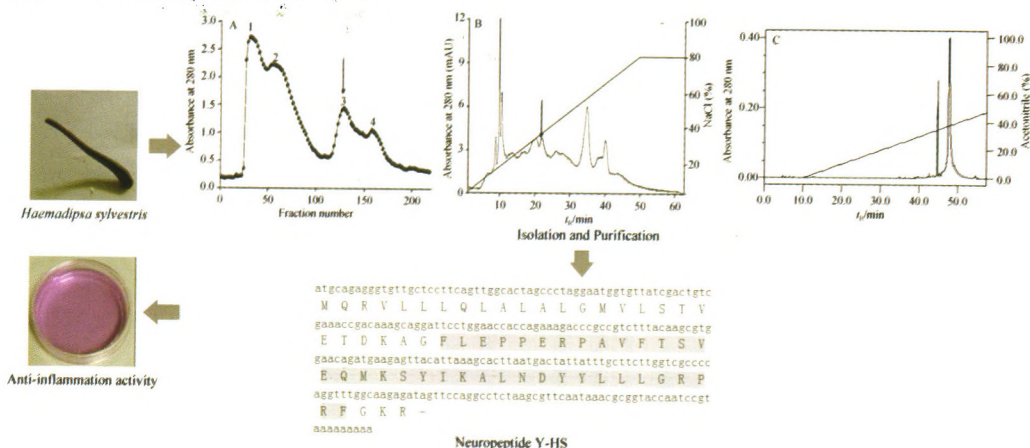
Herba Epimedi extract and its major active flavonoid, icariin inhibit the adipocyte differentiation through downregulation of the adipogenic transcription factors, PPAR γ , C/EBP α , SREBP-1c, and the FAS, ACS1 and perilipin expression and activation of the AMPK phosphorylation.



Identification and characterization of a novel neuropeptide (neuropeptide Y-HS) from leech salivary gland of *Haemadipsa sylvestris* 677-682

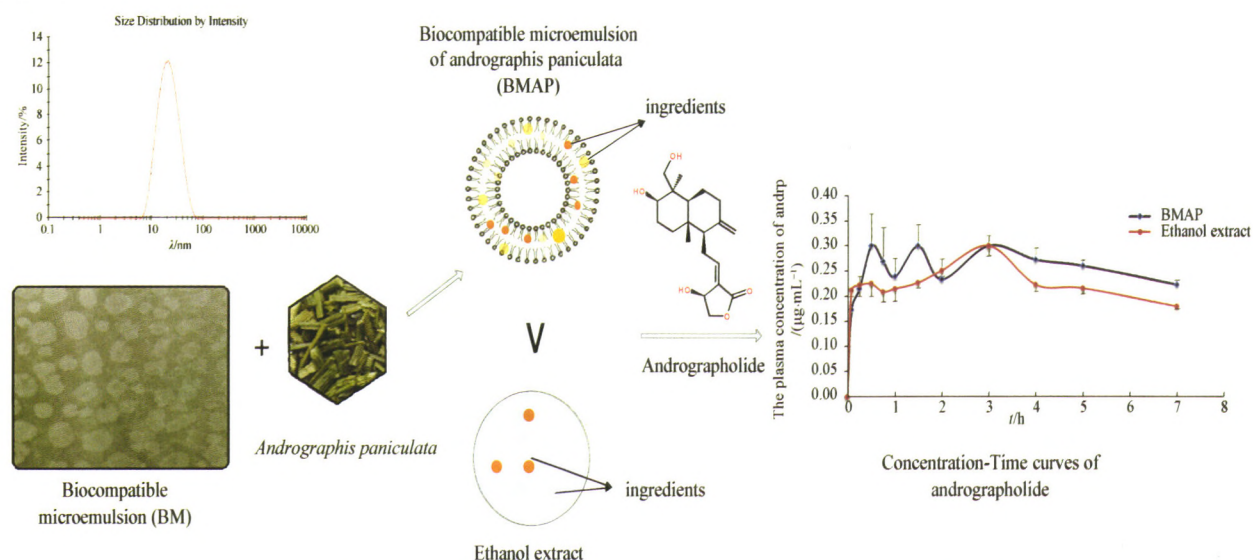
LIU Wei-Hui, CHEN Yan[#], BAI Xue-Wei, YAO Hui-Min, ZHANG Xu-Guang, YAN Xiu-Wen*, LAI Ren*

An immunomodulatory peptide was isolated and purified from the leech salivary of (*Haemadipsa sylvestris*) by Sephadex G-50, ResourceTM S column and reverse-phase high performance liquid chromatography (RP-HPLC). Its amino acid sequence was obtained by Edman degradation, and its coding sequence was cloned from the cDNA library. The peptide reduced the secretion of cytokines in mouse splenocytes to inhibit inflammation.



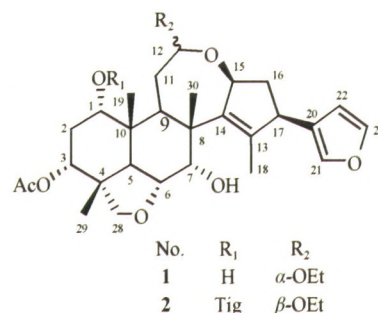
LIU Xiao-Yan, NIU Xin, FENG Qian-Jin, YANG Xue-Zhi, WANG Dan-Wei, ZHAO Tong, LI Lei, DU Hong*

As a new drug carrier, the biocompatible microemulsion (BM), which containing lecithin and bile salts showed a good physical stability, the BMAP containing more fat-soluble and water-soluble ingredients was prepared when using BM to extract *Andrographis paniculata*. Compared with the ethanol extract of AP, the bioavailability of andrographolide extracted by BMAP was significantly higher.

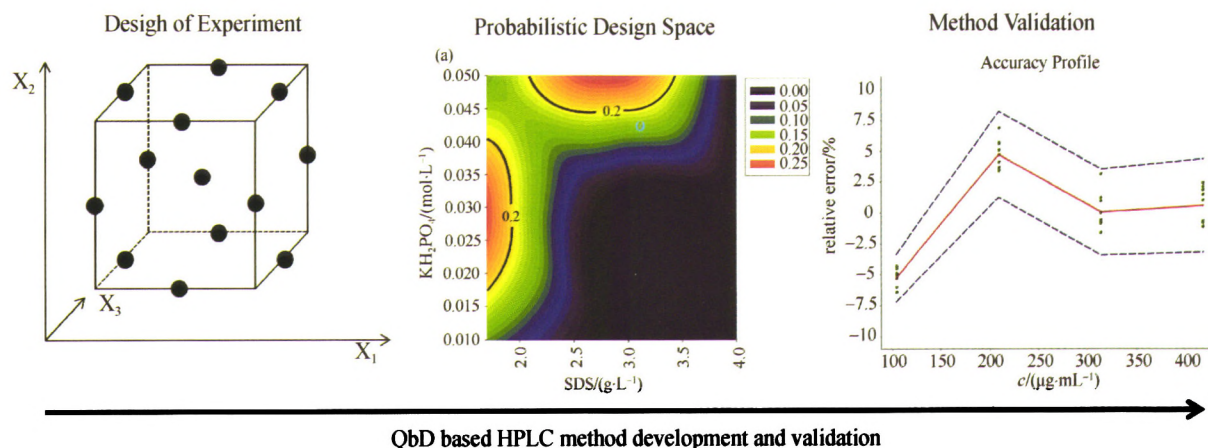


ZHANG Qiong*, ZHENG Qing-Hong, LIANG Jing-Yu, LI Qing-Shan, MIN Zhi-Da

Two new limonoids, 1 α , 7 α -dihydroxyl-3 α -acetoxy-12 α -ethoxynimbolinin (1) and 1 α -tigloyloxy-3 α -acetoxy-7 α -hydroxyl-12 β -ethoxynimbolinin (2), were isolated from the fruits of *Melia toosendan*.



DAI Sheng-Yun, XU Bing*, ZHANG Yi, LI Jian-Yu, SUN Fei, SHI Xin-Yuan, QIAO Yan-Jiang*

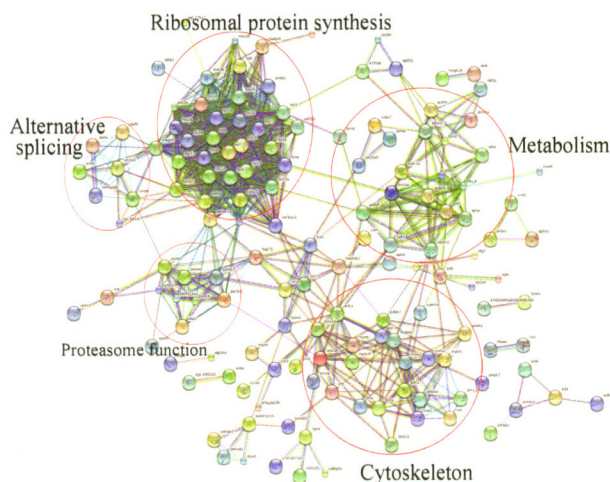


QbD based HPLC method development and validation

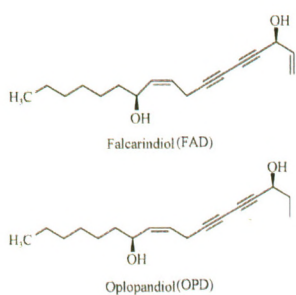
ZHANG Dong-Mei, FENG Li-Xing, LI Lu, LIU Miao, JIANG Bao-Hong, YANG Min, LI Guo-Qiang, WU Wan-Ying*, GUO De-An, LIU Xuan*

The protein expression profiling of sea dragon, *Solenognathus hardwickii*, was examined using shotgun proteomic analysis. More than 800 proteins were identified and ribosomal protein synthesis was found to play an important role in the possible signal network of the identified proteins.

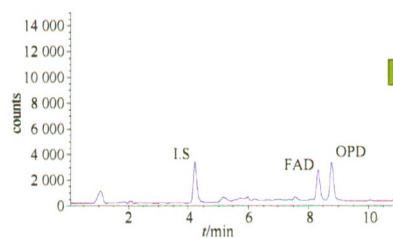
Signal network of proteins identified in sea dragon



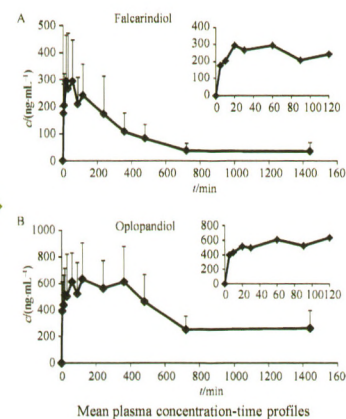
SUN Wei, HE Yi-Sheng, XU Ling-Hui, ZHANG Bi-Ying, QI Lian-Wen, YANG Jie, LI Ping, WEN Xiao-Dong*



FAD and OPD were isolated from *O. elatus*



Single ion monitoring chromatograms



Mean plasma concentration-time profiles

2015 JCR IF: 1.382



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Chinese Journal of Natural Medicines

Aims and Scopes

The Chinese Journal of Natural Medicines (CJNM) is devoted to communications among pharmaceutical and medicinal plant scientists who are interested in the advancement of the botanical, chemical, and biological sciences in support of the use of natural medicines in health care, in particular, traditional Chinese medicines (TCM). CJNM aims to cover a broad spectrum of original research papers and review articles on natural medicines or their products from all over the world, including those from TCM.

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